

ABSTRACT

A method of transmitting/receiving signals in a CDMA cellular radio transmission system comprising modulating a signal source with a channelization code having a length corresponding to a spreading factor to form a signal intended for transmission over a radio link. According to the invention, the spreading factor is adapted for use in said modulation step. When receiving the modulated signals, the spreading factor used in an adaptive manner during modulation is determined and employed during demodulation.

Further, the invention relates to a corresponding transmitter and receiver embodied preferably as a base station and a mobile station, respectively.

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